



**Environmental
Protection Agency**

John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

Re: Ashland County
Maverick Innovative Solutions
NPDES Permit

November 1, 2011

Mr. Bruce Price
Maverick Innovative Solutions
532 County Road 1600
Ashland, Ohio 44805

Dear Mr. Price:

On September 30, 2011, an inspection was made of the wastewater treatment facilities serving Maverick Innovative Solutions at 532 County Road 1600, Montgomery Township, Ashland County. At the time of the inspection, the aeration system was operating. A clear effluent was observed in the sampling chamber. No major concerns with the treatment plant operations were noted.

A review of the discharge monitoring reports submitted to our office for the months of February through September 2011 revealed several *violations* of the limits contained in your NPDES permit. Your facility is considered to be in significant non-compliance. A printout of these violations is enclosed for your review. Please provide a written plan to our office by November 30, 2011, for eliminating the effluent violations.

The operator's log was reviewed and found to be acceptable. It was noted that daily checks are not being performed on the days when McGhee's TWSI does not visit the plant. It is extremely important the plant be checked on a daily basis. Someone from Maverick should be checking the plant on the days when McGhee's does not visit.

A completed copy of our inspection report is enclosed for your review. Please contact me at 419-373-3070 if you have any questions.

Sincerely,

Walter Ariss
Environmental Specialist II
Division of Surface Water

/jlm

Enclosure

pc: Lonnie McGhee, McGhee's TWSI
DSW-NWDO

OHIO ENVIRONMENTAL PROTECTION AGENCY

OPERATION AND MAINTENANCE INSPECTION
 WWTP'S LESS THAN 25,000 GPD

NPDES Permit No. 2PR00217

Facility Name Maverick Innovative Expiration Date 9/30/2015

Facility Address 532 CR 1600 Date 9/30/11 Time 2:00 am

City Ashtland County Ashtland Township _____

Name and Address of Owner _____

Person Contacted _____ Owner Phone _____

Flow: Design 1500 GPD Present 400-800 GPD (metered estimated)

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 65° light rain

OEPA Personnel Walter Ariss District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None	<input checked="" type="checkbox"/>	Clear	<input checked="" type="checkbox"/>	None	<input checked="" type="checkbox"/>	Colorless
1	Mild						
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		Black

2. Effect of effluent on Receiving Stream Name: not observed

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None		Clear		None		Colorless
1	Mild						
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		Black

3. a. Plant has _____ excellent good _____ fair _____ poor operation
 b. Plant has _____ excellent good _____ fair _____ poor maintenance
 c. Sand filters have _____ excellent good _____ fair _____ poor maintenance

d. Not operating at expected efficiency due to:

- (1) _____ hydraulic overload
 (2) _____ organic/ solids overload
 (3) _____ personnel inefficiency
 (4) _____ equipment failure
 (5) _____ wastes
 (6) _____

Disinfection: (Required May 1 thru Oct.31.)	
IN	OUT
_____	_____ Chlorination Tablets
_____	_____ Dechlorination Tablets
<input checked="" type="checkbox"/>	_____ U.V.

Yes No

4. Compliance with NPDES Permit

Periodic Violations Y N Parameters: _____
 Chronic Violations NH₃, TSS, Bcol!

5. Adequate plant safety

6. Operation and Maintenance Service Name McGhee's TWSI

Frequency of Visits 3/week

Facility Name: Maverick Innovative

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	✓	Trash Trap	Pumping Frequency: ?
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment	✓	Plant Timer <u>Y</u> N Motor/ Blower Unit <i>running</i>	Cycle Time:
Secondary Treatment	✓	Aeration Tank	Color: <i>color & roll okay</i> Adequate Aeration: <u>Y</u> N
Final Settling	✓	Clarifier	<i>good clarity</i>
	✓	Sludge Return	In <u>✓</u> Out <u> </u>
	✓	Surface Skimmer	In <u> </u> Out <u>✓</u>
		Fixed Media Clarifier	
Tertiary Treatment	✓	Surface Sand Filter	<i>Filters relatively clean</i>
		Polishing Pond	
		Other	
Disinfection		Chlorine Tube Feeder	
		Dechlorination Tube Feeder	
	✓	Ultraviolet (UV)	<i>on</i>
Flow Metering	✓	Elapsed Pump Time	<i>on filter dosing station</i>
		Recorder (continuous total)	
Pumps		Raw Wastewater (type)	
	✓	Sand Filter Effluent Dosing	<i>okay</i>
Sludge Handling		Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal	✓	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	

06/21/2011 New Data

Maverick Innovative NPDES permit limit violations February through September 2011

Permit No.	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PR00217*BD	February 2011	001	00530	Total Suspended Solids	30D Conc	12.0	18.	2/1/2011
2PR00217*BD	March 2011	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	11.5	3/1/2011
2PR00217*BD	March 2011	001	80082	CBOD 5 day	30D Conc	10.0	35.4	3/1/2011
2PR00217*BD	March 2011	001	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	11.5	3/22/2011
2PR00217*BD	March 2011	001	80082	CBOD 5 day	7D Conc	15.0	35.4	3/22/2011
2PR00217*BD	April 2011	001	00530	Total Suspended Solids	30D Conc	12.0	22.	4/1/2011
2PR00217*BD	April 2011	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	5.94	4/1/2011
2PR00217*BD	April 2011	001	00530	Total Suspended Solids	7D Conc	18.0	22.	4/15/2011
2PR00217*BD	April 2011	001	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	5.94	4/15/2011
2PR00217*BD	May 2011	001	00530	Total Suspended Solids	30D Conc	12.0	21.6	5/1/2011
2PR00217*BD	May 2011	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	2.32	5/1/2011
2PR00217*BD	May 2011	001	00530	Total Suspended Solids	7D Conc	18.0	21.6	5/8/2011
2PR00217*BD	May 2011	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	2.32	5/8/2011
2PR00217*BD	June 2011	001	00530	Total Suspended Solids	30D Conc	12.0	37.3	6/1/2011
2PR00217*BD	June 2011	001	00530	Total Suspended Solids	30D Qty	0.0682	.12833	6/1/2011
2PR00217*BD	June 2011	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	4.26	6/1/2011
2PR00217*BD	June 2011	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.0056	.01466	6/1/2011
2PR00217*BD	June 2011	001	80082	CBOD 5 day	30D Conc	10.0	21.5	6/1/2011
2PR00217*BD	June 2011	001	80082	CBOD 5 day	30D Qty	0.0568	.07397	6/1/2011
2PR00217*BD	June 2011	001	31648	E. coli	30D Conc	161	2400.	6/1/2011
2PR00217*BD	June 2011	001	00530	Total Suspended Solids	7D Conc	18.0	37.3	6/22/2011
2PR00217*BD	June 2011	001	00530	Total Suspended Solids	7D Qty	0.103	.12833	6/22/2011
2PR00217*BD	June 2011	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	4.26	6/22/2011
2PR00217*BD	June 2011	001	00610	Nitrogen, Ammonia (NH3	7D Qty	0.0085	.01466	6/22/2011
2PR00217*BD	June 2011	001	80082	CBOD 5 day	7D Conc	15.0	21.5	6/22/2011
2PR00217*BD	June 2011	001	31648	E. coli	7D Conc	362	2400.	6/22/2011
2PR00217*BD	July 2011	001	00530	Total Suspended Solids	30D Conc	12.0	18.8	7/1/2011
2PR00217*BD	July 2011	001	00530	Total Suspended Solids	7D Conc	18.0	18.8	7/1/2011
2PR00217*BD	September 2011	001	31648	E. coli	30D Conc	161	2000.	9/1/2011
2PR00217*BD	September 2011	001	31648	E. coli	7D Conc	362	2000.	9/1/2011
2PR00217*BD	September 2011	001	00530	Total Suspended Solids	30D Conc	12.0	12.8	9/1/2011